**PATENT** 

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):

Patrick C. Herbert, et al.

Serial No.:

10/001,412

Filed:

October 25, 2001

For:

Microelectromechanical System with Improved Beam Suspension

Grp. Art Unit: Examiner:

Docket No.:

110003.97478

## INFORMATION DISCLOSURE STATEMENT

9		Pursuant to 37 CFR 1.97(b) n 3 months of filing or prior to mailing of 1 <sup>st</sup> Office Action)
	(2) (befor	Certification Pursuant to 37 CFR 1.97(c) re Final Office Action or Allowance)
	(3) (befor	Fee Payment Pursuant to 37 CFR 1.97(c) re Final Office Action or Allowance)
	(4)	Petition, Certification & Petition Fee Payment Pursuant to 37 CFR

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

The following are submitted in the above-identified application in compliance with 37 CFR 1.97 & 1.98:

A list of documents on Form PTO-1449 together with copies of each identified document and a translation or a concise explanation of each non-English language document is enclosed herewith.

This paper is submitted in accordance with:

- 37 CFR 1.97(b) (within 3 months of filing or prior to 1<sup>st</sup> Office Action)
- 37 CFR 1.97(c) (before Final Office Action or Allowance, whichever **(7)** is earlier); and
  - The required certification made in item 11 below; or (8)

			(9) The \$180.00 fee specified in 36 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 14 below.
	(10)	37 CF	R 1.97(d) (before issue fee payment); and
		[a]	(This is a petition for consideration of the subject Information Disclosure Statement. The petition fee \$00 required by 37 CFR 1.17(i)(1) is authorized in item 14 below. (Direct this letter to: "Attention PETITIONS EXAMINER" and include Confirmation Number, Date of Allowance"), and
		[b]	The required Certification is stated in item 11 below.
	(11)	Certif	ication
		(12)	Each item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or
,		(13)	No item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing this document after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing of this Statement.
	(14) Inform		e charge all applicable fees associated with the submittal of this Disclosure Statement to Deposit Account No. 17-0055.
			Respectfully submitted,
			Patrick C. Herbert, et al.
			By: Clan J Jonn

Adam J. Forman

Reg. No. 46,707

Attorney for Applicant

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411 East Wisconsin Avenue, 20th Floor

Milwaukee, WI 53202-4497

(414) 277-5405

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Complete if Known Substitute for form 1449A/PTO 10/001,412 **Application Number** INFORMATION DISCLOSURE October 25, 2001 Filing Date STATEMENT BY APPLICANT First Named Inventor Patrick C. Herbert Group Art Unit (use as many sheets as necessary) **Examiner Name** of Attorney Docket Number 110003.97478 Sheet

		<u>-</u>		U.S. PATENT DOCU	JMENTS	
Examiner Initials*	Cite No.1	U.S. Patent I	Document  Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines. Where Relevant Passages or Relevant Figures Appear
		3,886,447		Tanaka	05-27-1975	
		4,560,953		Bozio	12-24-1985	
		5,012,207		Edwards	4-30-1991	
		5,025,346		Tang, et al.	06-18-1991	
		5,194,819		Briefer	03-16-1993	
		5,243,861		Kloeck, et al.	09-14-1993	
		5,343,157		Deschamps	08-30-1994	
		5,359,893		Dunn	11-01-1994	
		5,413,668		Aslam, et al.	05-09-1995	
		5,417,312		Tsuchitani, et al.	05-23-1995	
		5,424,650		Frick	06-13-1995	
		5,536,988		Zhang, et al.	07-16-1996	
		5,563,343		Shaw, et al.	10-08-1996	
		5,572,057		Yamamoto, et al.	11-05-1996	
		5,585,311		Ko	12-17-1996	
		5,600,190		Zettler	02-04-1997	
		5,646,432		lwaki, et al.	07-08-1997	
		5,658,698		Yagi, et al.	08-19-1997	
		5,798,283		Montague, et al.	08-25-1998	
		5,815,051		Hamasaki, et al.	09-29-1998	

				FORE	IGN PATENT DOCUMENT	rs		
			oreign Patent Do	cument	Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant	T
Examiner Initials*	Cite No. <sup>1</sup>	Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	T6
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		<del></del>	-	U.S. PATENT DOC	UMENTS	
Examiner Initials*	Cite No.1	U.S. Patent	Document  Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		5,877,038		Coldren, et al.	03-02-1999	
		5,920,978		Koshikawa, et al.	07-13-1999	
		5,943,155		Goossen	08-24-1999	
		5,959,516		Chang, et al.	09-28-1999	
		5,995,688		Aksyuk, et al.	11-30-1999	
		6,060,336		Wan	05-09-2000	
		6,094,102		Chang, et al.	07-25-2000	
		6,116,756		Peeters, et al.	09-12-2000	
		6,144,545		Lee, et al.	11-07-2000	
		6,149,190		Galvin, et al.	11-21-2000	
		6,170,332		MacDonald, et al.	01-09-2001	
		6,232,150		Lin, et al.	05-15-2001	
		6,257,705		Silverbrook	07-10-2001	
		6,265,238		Yaji, et al.	07-24-2001	
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		6,356,689		Greywall	03-12-2002	
		6,373,682		Goodwin-Johansson	04-16-2002	
		6.384.353		Huang, et al.	05-07-2002	

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nitials	No.1	Office <sup>3</sup>	Number4	Kind Code <sup>5</sup> (if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	Т
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				U.S. PATENT DOC	JMENTS	
Examiner nitials*	Cite No.1	Number	cument ind Code <sup>2</sup> if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		6,391,742		Kawai	05-21-2002	
		6,400,009		Bishop, et al.	06-04-2002	
		5,491,604		Nguyen, et al.	02-13-1996	
		5,834,864		Hesterman, et al.	11-10-1998	
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		6,188,322		Yao, et al.	02-13-2001	
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		6,411,214		Yao, et al.	06-25-2002	
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		6,463,339		Vasko	10-08-2002	
		6,465,929		Levitan, et al.	10-15-2002	
		6,466,005		Yao, et al.	10-15-2002	
		6,497,141		Turner, et al.	12-24-2002	
		6,504,356	4	Yao, et al.	01-07-2003	
		2002/001713	12	McNie, et al.	02-14-2002	

				FOR	EIGN PATENT DOCUMENT	rs		
Examiner Initials*	Cite No.1	Office:	Foreign Patent Do  Number4	cument Kind Code <sup>5</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		EΡ	0 665 590	A2	Canon KK	08-02-1995		
		EΡ	0 711 029	A2	Canon KK	05-08-1996		
		ĘΡ	0 763 844	A2_	Canon KK	03-19-1997		
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Substitute for form 1449B/PTO	Complete if Known		
	Application Number	10/001,412	
INFORMATION DISCLOSURE	Filing Date	October 25, 2001	
STATEMENT BY APPLICANT	First Named Inventor	Patrick C. Herbert	
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(use as many sheets as necessary)	Examiner Name		
Sheet .4 of 4	Attorney Docket Number	110003.97478	

Examiner Initials					
Storment, C.W., et al. "Flexible, Dry-Released Process for Aluminum Electrostatic Actuators Journal of Microelectromechanical Systems, 3(3), September 1994, p 90-96.					
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